Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/07/2018 10:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124251	-1	1.63	124056	1.54
Blue	F	SSC	125000	123323	-2	3.63	123710	3.38
Blue	E	FITC	23158	22376	-4	2.72	1044	10.91
Blue	D	PE	31171	29943	-4	2.25	1138	10.01
Blue	B	PerCP-Cy5-5	59762	58069	-3	4.18	1471	18.35
Blue	A	PE-Cy7	57533	56119	-3	6.63	731	39.23
Red	C	APC	69353	68023	-2	2.66	3437	9.50
Red	A	APC-Cy7	66644	65331	-2	3.53	1158	11.37
Violet	B	V450	16327	15714	-4	3.29	851	9.10
Violet	A	V500	62036	60710	-3	2.89	2862	6.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22442	4.02	609	-7	N/A	N/A	Pass
Blue	F	SSC	56555	0.96	557	-1	N/A	N/A	Pass
Blue	E	FITC	116	41.59	551	-4	0.0196	187	Pass
Blue	D	PE	192	37.34	553	-4	0.1524	240	Pass
Blue	B	PerCP-Cy5-5	240	45.62	645	-4	0.0080	0	Pass
Blue	A	PE-Cy7	130	96.69	704	-5	0.0100	10	Pass
Red	C	APC	492	25.26	605	-5	0.0177	10	Pass
Red	A	APC-Cy7	247	27.02	579	-8	0.0042	689	Pass
Violet	B	V450	106	43.13	483	-9	0.0406	2041	Pass
Violet	A	V500	254	20.86	503	-8	0.0122	295	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.02	-30.81	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.46	13.60 - 20.40	N/A	N/A	30.95	31.17	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14517

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments